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DEPARTMENT OF NATURAL RESOURCES

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Executive Director

Division of Oil, Gas and Mining

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Division Director

August 20, 2013

Scott Parsons
Staker Parsons Companies
89 West 13490 South, Suite 100
Draper, Utah 84020

Subject: Seventh Review and Name Change of Notice of Intention to Commence Large Mining Operations, Staker Parsons Companies, Beef Hollow Facility, M/035/0042, Salt Lake County, Utah

Dear Mr. Parsons:

The Division of Oil, Gas and Mining has reviewed the majority of the referenced Notice of Intention to Commence Large Mining Operations (NOI) for the Beef Hollow Facility, which was received on July 18, 2013. The attached comments will need to be addressed before tentative approval may be granted. Sections of the NOI dealing with hydrology have not yet been reviewed, and the NOI did not include reclamation surety calculations.

Thank you for submitting the NOI formatted to follow the R647 rules. Please address those items requested in the attached technical review and call if you need clarification on any of the issues identified.

Please contact Leslie Heppler at 801-538-5257 or me at 801-538-5261 if you have any questions about the review. Thank you for your cooperation in completing this permitting action.

Sincerely,

Paul B. Baker
Minerals Program Manager

PBB: lah: eb

Attachment: Review

cc City of Herriman

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**SIXTH REVIEW OF NOTICE OF INTENTION
TO COMMENCE LARGE MINING OPERATIONS**

**Staker Parsons Company
Beef Hollow Mine
M/035/0042
August 19, 2013**

General Comments:

Comment #	Sheet/Page/Map/Table #	Comments	Initials	Review Action
1	General	(No response needed.) The Division may have additional comments based on submittals received in the future.	lah	
2	General	Please submit good quality color copies on the final revision. The Division needs color pages for the photos and maps in Appendices A, D, and F.	lah	
3	Page 4	Page 4 in the Table of Contents lists the title for Appendix C as Surface and Groundwater, Appendix C only has ground water information. Please change the title of the section.	lah	
4	Appendix G	Please include Appendix G. This section is missing	lah	
5	Appendix H	Red line and strikeout will not be needed in the final document.	lah	

R647-4-105 - Maps, Drawings & Photographs

105.1 - Topographic base map, boundaries, pre-act disturbance

Comment #	Sheet/Page/Map/Table #	Comments	Initials	Review Action
6	Figure 3	More topsoil storage areas are probably needed. Without volumes it is difficult to know if the storage areas shown on Figure 3 are adequate.	lah	
7	Figure 5	The Beef Hollow small mine location is missing.	lah	

105.3 - Drawings or Cross Sections (slopes, roads, pads, etc.)

Comment #	Sheet/Page/Map/Table #	Comments	Initials	Review Action
8	Old figure 8	In the previous review there were several comments on Figure 8. In this submittal the figure has been removed, and many of the features from the old Figure 8 have been placed on other maps. There is no longer a "bond map". Perhaps the new Figure 7 could be modified to show bonded areas. Since there is no appendix G in this submittal it is difficult to comment further regarding bonding, but the Division suggests renaming Figure 7 "Bond and Mine Phasing". The name would also need to be changed in the Table of Contents.	lah	

106.3 - Estimated acreages disturbed, reclaimed, annually

Comm ent #	Sheet/Page/ Map/Table #	Comments	Initials	Review Action
9	Page 14 Table 1	As written in the previous review, "At the last inspection, there were several stockpiles of topsoil within the permit boundary from soil that was salvaged by CMC. Many of the previously disturbed small mine areas had the topsoil reapplied. Please add the estimated volume of topsoil to be salvaged." To restate: the Division needs to have volume calculations for the number of acres to be disturbed. Please fill in Table 1 on topsoil to be salvaged.	lah	

106.5 - Existing soil types, location, amount

Comm ent #	Sheet/Page/ Map/Table #	Comments	Initials	Review Action
10	Page 15	As written in the previous review, "The soils data provided indicate that there is significantly more soil available for salvage than the 6" average currently in the text of the NOI. Only one of the seven soil types had 6" or less of available soil; the other six all had in excess of 12" (three soil types had over 3 feet). Please plan to salvage all available soils so that there is a minimum of 12" of soil to spread over all areas to be revegetated. At the last inspection it was noted that the topsoil depth in many of the drainages exceeds ten feet. (there are also many rocky ridges that have less than 2" of topsoil)." Thank you for the volume calculations. As noted 455,000 cubic yards are needed for the 5 year disturbance, but for the phase 1 mining disturbance, 660,000 cubic yards are needed for the 410 acres of disturbance.	Lk & lah	

106.7 - Vegetation

Comment #	Sheet/Page/ Map/Table #	Comments	Initials	Review Action
11	Page 17 & 18	Typographical error: change Appendix E to Appendix F in the text on this page. Page 18 has a similar typo referencing Appendix E where it should be F. As there could be other mistakes of this sort in the text, please do a search to ensure the appendices are properly referenced.	lah	

R647-4-109 - Impact Assessment

109.1 – Surface Water

Comm ent #	Sheet/Page/ Map/Table #	Comments	Initials	Review Action
12	Pg 22	This page references the SWPPP in Appendix F, but it is in Appendix E.	lah	

109.3 – Soils

Comm ent #	Sheet/Page/ Map/Table #	Comments	Initials	Review Action
13	Pg 23	The text says "no slopes greater than 1.5 to 1." Please clarify using horizontal and vertical notations, such as 1:5H: 1V.	lah	

109.4 - Slope stability, erosion control, air quality, safety

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August 19, 2013

Comm ent #	Sheet/Page/ Map/Table #	Comments	Initials	Review Action
14	Pg 26	Will water be used for dust suppression on the roads? If so, please state under 109.4.	lah	

R647-4-110 - Reclamation Plan

110.5 - Revegetation planting program

Comm ent #	Sheet/Page/ Map/Table #	Comments	Initials	Review Action
15	Page 30	The Division recommends that an interim seed mix be planted wherever feasible on disturbed areas to reduce weed growth.	lah	

113 – Surety

Comm ent #	Sheet/Page/ Map/Table #	Comments	Initials	Review Action
16	Appendix G	The surety has not been included on the submittal dated July 18, 2013. Hence it is not known whether comment 27 from the March 19, 2013, review has been addressed.	lah	